C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.ae   U Downstream Sweep Checklist

C-A-OPM Procedures in which this Attachment is used.		
4.56		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved: _____*Signature on File*_____ _____
Collider-Accelerator Department Chairman   Date

P. Ingrassia

U DOWNSTREAM SWEEP CHECKLIST

Team leader_____ Operator 2_____

Time:_____ Date:_____

<table>
<tr><td align="center">Warning:
ONCE A SWEEP IS COMPLETE, ANY WORKER LEFT IN THE ENCLOSURE MUST HAVE A CA(EB005) KEY.
IF any personnel are encountered during the sweep, THEN determine whether their work will be completed in a short time. IF the work will take a long time, THEN contact the OC to see if the sweep should be aborted or the workers asked to leave to obtain a CA(EB005) key. IF the work will be completed in a SHORT time, THEN write the name(s) of the workers at the end of the checklist and verify that they leave the enclosure WITH the sweep team.</td></tr>
</table>

Prerequisites

- Two persons to perform the sweep,
- U Downstream Sweep Checklist for C-A-OPM-ATT 4.56.ae (one sheet)
- Required Tools: at least one flashlight,
- TLD, Alarming (chirping) Self Reading Dosimeter (SRD) and Pencil Type (SRD)
- Walkie-talkie
- Keys: Controlled Access (EB005) Sweep/Reset (EB004) keys, and AA256A key for weather doors.

Check

____1. Team Leader contacts MCR to verify that U Downstream is on Controlled Access AND that gate UGI1 is RESET.

____2. IF UGI1 was found to be NOT RESET (step 1) then abort the sweep; RESET it and continue.

<table>
<tr><td align="center">Note:
To RESET UG11, U Upstream must be swept per C-A-OPM-ATT 4.56.x</td></tr>
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____3. Sweep Team goes to U Downstream gate (UGE2).

____4. Team Leader requests simultaneous release from MCR.

<table>
<tr><td align="center">Note:
The Operator in the MCR must hold the UGE2 gate release on the PanelView until the gate is closed.</td></tr>
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____5. Team leader opens UGE2 gate by turning the CA(EB005) in the OPEN key-switch while Operator in MCR presses simultaneous release for gate UGE2.

____6. Team Leader radios operator in MCR to report they have entered and the gate is closed.

____7. Sweep Team walks through the labyrinth to the W line.

____8. Sweep Team crosses under the **W** line and walks downstream to the end of the **U** line.

____9. Operator #2 starts the sweep by resetting the check station 1 at the extreme downstream end of the U line with the S/R(EB004) key in the SWEEP key switch.

____10. Observe the AREA SECURED amber lamp light for two seconds.

____11. Sweep Team sweeps upstream to the UGE3 labyrinth

____12. Team Leader stands static watch in the U line at the entrance to the UGE3 labyrinth.

____13. Operator #2 walks to UGE3 at the end of the labyrinth.

____14. Operator #2 resets the check station 2 at inside of UGE3 with the S/R(EB004) key in the SWEEP key switch.

____15. Observe the AREA SECURED amber lamp light for two seconds.

CONTINUED ON REVERSE SIDE

_____16. Operator #2 sweeps out the labyrinth to the U line and rejoins Team Leader.
_____17. Sweep Team Sweeps Upstream to the Crotch where U and W line are joined.
_____18. Team Leader stands static watch at U/W crotch.
_____19. Operator #2 walks downstream in the W line to the end at gate UED1.
_____20. Operator #2 resets gate UED1 with the S/R(EB004) key in the RESET key switch.
_____21. Observe the Gate SECURED amber lamp light if the gate was not previously reset.
_____22. Operator #2 resets check station number 3 inside UED1 with the S/R(EB004) key in the SWEEP key switch.
_____23. Observe the AREA SECURED amber lamp light for two seconds.
_____24. Operator #2 sweeps out the labyrinth to the W line and checks a top shield blocks.
_____25. Operator #2 sweeps upstream to the U line and rejoins team leader.
_____26. Operator #2 walks upstream in the U line to the UGI1 gate.
_____27. Operator #2 resets check station number 4 at UGI1 with the S/R(EB004) key in the SWEEP key switch.
_____28. Observe the AREA SECURED amber lamp light for two seconds.
_____29. Observe the AREA SECURED amber lamp is lit for U Upstream.
_____30. Operator #2 sweeps upstream to U/W Crotch and rejoins Team Leader.
_____31. Sweep Team sweeps out the labyrinth to gate UGE2.
_____32. Operator #2 ends the sweep by resetting check station number 5 inside UGE2 with the S/R(EB004) key in the SWEEP key switch. Observe area secured light will light.
_____33. Team Leader calls an operator in the MCR for a simultaneous release before opening UGE2.

_____34. Sweep Team sweeps through UGE2 after operator in MCR gives the release.
_____35. Team Leader radios operator in MCR to report UGE2 is closed.
_____36. Observe the AREA SECURED amber light will remain lighted.
_____37. Team Leader confirms with an operator in the MCR that the sweep is OK.
_____38. Sweep Team (at conclusion of all sweeps) returns to MCR.
_____39. Capture CA (EB005) and S/R (EB004) keys in the key tree.
_____40. Reset Gates UGE3 and UGE2 in MCR.
_____41. Confirm Gates UGE3 and UGE2 are reset using PanelView.
_____42. Team Leader files completed checklist in Completed Sweep Checklist Binder.